

CLAIMS

1. A distributed computing environment, comprising:

- a) a server computer platform on which a server process application resides;
- b) a plurality of client computer platforms coupled to said server computer platform, each one of said plurality of client computer platforms having a client process application residing thereon;
- c) a queue-based messaging system for controlling the exchange of messages between said server process application and said plurality of client process applications, said queue-based messaging system comprising a messaging application residing at each one of said server computer platform and said plurality of client computer platforms, said messaging application residing at said server computer platform managing a plurality of queues, each one of said plurality of queues described by a plurality of attributes; and
- d) a system for monitoring said queue-based messaging system, said monitoring system selecting at least two of said plurality of queues and at least two of said plurality of attributes describing one or more of said plurality of queues and generating a display which includes a current value for said selected attributes for each one of said selected queues described thereby.

2. The distributed computing environment of claim 1, wherein each one of said plurality of queues is a local queue for receiving messages originating at a corresponding one of said plurality of client process applications and destined for said server process application.

3. The distributed computing environment of claim 2, wherein a first one of said plurality of selected attributes is common to all queues and a second one of said plurality of selected attributes is unique to local queues.

4. The distributed computing environment of claim 3, wherein said second one of said plurality of selected attributes is a depth attribute.

5. The distributed computing environment of claim 3, wherein said first one of said selected attributes is a get attribute and said second one of said selected attributes is a depth attribute.

6. The distributed computing environment of claim 2, wherein first and second ones of said plurality of selected attributes are unique to local queues.

7. The distributed computing environment of claim 6, wherein said first one of said selected attributes is a trigger attribute and said second one of said selected attributes is a depth attribute.

8. The distributed computing environment of claim 7, wherein a third one of said plurality of selected attributes is common to all queues.

9. The distributed computing environment of claim 8, wherein said third one of said plurality of selected attributes is a get attribute.

10. A distributed computing environment, comprising:

- a) a server computer platform on which a server process resides; and
- b) at least five client computer platforms coupled to said server computer platform, each one of said plurality of client computer platforms having a client process application residing thereon;
- c) a queue-based messaging system for controlling the exchange of messages between said server process application and said at least five client process applications, said queue-based messaging system comprising a messaging application residing at each one of said server computer platform and said at least five client computer platforms, said messaging application residing at said server computer platform managing at least five trigger-initiated local queues having a queue depth attribute, each one of said at least five trigger-initiated local queues associated with a corresponding one of said at least five client process applications;
- d) a monitoring tool residing on said server computer platform, said monitoring tool acquiring a value for said queue depth attribute for each one of said at least five trigger-initiated local queues; and
- e) a user interface coupled to said server computer platform, said monitoring tool generally simultaneously displaying, on said user interface, said value for said queue depth attribute for each one of said at least five trigger-initiated local queues.

11. The distributed computing environment of claim 10, wherein:

- a) each one of said at least five trigger-initiated local queues has a trigger enable attribute;
- b) said monitoring tool acquires a value for said trigger enable attribute for each one of said at least five trigger-initiated local queues; and
- c) said monitoring tool generally simultaneously displaying, on said user interface, said value for said queue depth attribute and said value for said trigger enable attribute for each one of said at least five trigger-initiated local queues.

12. The distributed computing environment of claim 10, wherein:

- a) each one of said at least five trigger-initiated local queues has a get message enable attribute;
- b) said monitoring tool acquires a value for said get enable attribute for each one of said at least five trigger-initiated local queues; and
- c) said monitoring tool generally simultaneously displaying, on said user interface, said value for said queue depth attribute and said value for said get message enable attribute for each one of said at least five trigger-initiated local queues.

13. The distributed computing environment of claim 10, wherein:

- a) each one of said at least five trigger-initiated local queues has a put message enable attribute;
- b) said monitoring tool acquires a value for said put message enable attribute for each one of said at least five trigger-initiated local queues; and
- c) said monitoring tool generally simultaneously displaying, on said user interface, said value for said queue depth attribute and said value for said put message enable attribute for each one of said at least five trigger-initiated local queues.

14. The distributed computing environment of claim 10, wherein:

- a) each one of said at least five trigger-initiated local queues has a trigger enable attribute, a get message enable attribute and a put message enable attribute;
- b) said monitoring tool acquires a value for said trigger enable attribute, said get message enable attribute and said put message enable attribute for each one of said at least five trigger-initiated local queues; and
- c) said monitoring tool generally simultaneously displaying, on said user interface, said value for said queue depth attribute, said value for said trigger enable attribute, said value for said get message enable attribute and said value for said put message enable attribute for each one of said at least five trigger-initiated local queues.

15. For a network having a server computer platform and a plurality of client computer platforms coupled to said server platform, a method for monitoring a queue-based messaging system which controls the transfer of messages from said plurality of client computer platforms to a corresponding plurality of queues residing at said server computer platform, comprising:

- a) selecting at least one attribute which describes each one of said plurality of queues;
- b) acquiring, from said server computer platform, a value for each one of said at least one attribute; and
- c) generally simultaneously displaying said value for each one of said at least one attribute for all of said plurality of queues.

16. The method of claim 15, and further comprising:

- a) reviewing said display of said value for each one of said at least one attribute for all of said plurality of queues; and
- b) initiating corrective action to rectify messaging failures identified from said review of said display.

17. The method of claim 16, and further comprising:

- a) refreshing said display of said value for each one of said at least one attribute for all of said plurality of queues; and
- b) initiating corrective action to rectify messaging failures identified from a comparison of said refreshed display to said display.

18. A computer program product, comprising:

- a) a computer usable medium; and
- b) computer readable program code, encoded in said computer usable medium, for generally simultaneously monitoring values for a first plurality of attributes for a second plurality of local queues for a queue-based messaging system.

19. The computer program product of claim 18, wherein said computer readable program code further comprises

- a) first computer readable program code for acquiring, from said queue-based messaging system, said values for said first plurality of attributes for said second plurality of local queues; and
- b) second computer readable code for generating a display containing all of said values acquired for said first plurality of attributes for said second plurality of local queues.

20. The computer program product of claim 19:

wherein said first plurality of attributes comprises queue depth of said second plurality of said local queues; and

wherein said generated display containing said acquired queue depth values further comprises information displayed with each queue depth value identifying the local queue of said plurality of local queues associated said queue depth value.